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(54) Title: PROCESS FOR PRODUCING HYDROGEN INCLUDING A WATER GAS SHIFT REACTION

(57) **Abstract:** Production of a hydrogen-containing gas stream by subjecting a gas stream containing carbon monoxide and steam to the shift reaction using a shift catalyst containing, in the reduced state, at least 15% by weight of copper, wherein, immediately upstream of the shift catalyst, the gas stream is passed through a bed of an oxygen scavenger comprising an oxidisable composition containing copper and/or iron or iron oxide that is dissimilar to said shift catalyst.